

Message

Sent: 3/13/2019 9:03:40 PM
To: Chen, Xi [Chen.Xi@epa.gov]
CC: Weinstock, Lewis [weinstock.lewis@epa.gov]
Subject: Willowbrook QA Data Review - Sample Date Range 2/14/19 to 2/20/19

Doris,

I have reviewed the data submitted by ERG for the EtO samples sampled on 2/14/2019, 2/19/2019, 2/20/2019, 2/21/2019, 2/22/2019, 2/23/2019, and 2/26/2019. The review included:

- Verifying the data contained in the data summary spreadsheet are consistent with the laboratory certificates of analysis;
- Performing manual calculations to confirm spreadsheet results could be replicated;
- Verifying all reported QC data meet the requirements outlined in the QAPP;
- Verifying ERG performed QC checks on the data, including a 10% QA review of the data.

Based upon my review, I have concluded that the data are of sufficient quality with respect to study goals and other performance criteria for their intended use.

The following observations are as follows:

The Chain of Custody for the Willowbrook Warehouse sample that was collected beginning on 2/14/19 was incomplete in that the "VALID" or "INVALID" statuses for under field recovery and lab recovery were not circled. A review of the field data indicates that the sample met QA/QC requirements and is a valid sample. Also, ERG re-reviewed the lab recovery and determined that the sample meets QA/QC requirements and is a valid sample. ERG circled "VALID" for the lab and resubmitted the data package which is attached. The field recovery section remains uncircled; however, this message can serve as evidence that the field information is correct and the sample is valid.

The chain of custody for the Willowbrook Warehouse that was collected beginning on 2/22/19 showed a difference of 3 inches of mercury from field retrieval (-6 "Hg) and lab receipt (-3 "Hg). ERG marked this sample as "VOID" on the COC. However, our acceptance criteria is ≤ 3 "Hg; therefore, the sample is valid. The sample was included in the summary spreadsheet as valid which is correct. ERG corrected the COC and submitted a new data package which is included in this message.

As a note, three of the seven collocated samples that were performed measured non-detects; therefore, no percent differences could be calculated.

Please let me know if you have any questions.

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